CLAIMS

I claim:

1. A wind powered charging system for batteries in a water vehicle, comprising:

a cowling adapted for attachment to an external surface of said water vehicle;

said cowling having a front input port for incoming air and a rear output port for outgoing air;

a mounting plate providing a means for attaching said cowling to said external surface of said water vehicle;

a fan blade adapted for attachment to an alternator;

said alternator and fan blade adapted for attachment to said plate within said cowling; and

a front of said fan blade facing said input port;

wherein when air enters said input port and exits through said output port said fan will turn and said fan will turn said alternator which will generate electric current to charge said batteries.

2. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said cowling is attached to an outboard motor disposed on said water vehicle.

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- 3. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said alternator is connected to said batteries by a cable.
- 4. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said mounting plate is selected from the group consisting of single piece plates for mounting to flat motor covers and multi piece plates for mounting to motor covers having a center ridge.
- 5. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said cowling comprises a top portion that decreases in height from said front input port to said rear output port of said cowling so that said input port is larger than said output port.
- 6. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said mounting plate comprises a shape that decreases in size from front to back and is equivalent to the bottom surface of said cowling.
- 7. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said front input port faces in the direction of the wind and said rear output port exhausts

air out of the rear of said cowling.

- 8. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said fan blade is mounted to an alternator shaft that extends from said alternator, wherein said fan blade directly drives said alternator.
- 9. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said fan blade and said alternator are attached to said mounting plate by a mounting bracket which is directly bolted to said mounting plate, wherein said alternator is secured to said mounting bracket by a bushing and an alternator housing.
- 10. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said fan blade is positioned directly in the center of said front input port of said cowling.
- 11. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said cowling further comprises a flat outer mounting portion having a plurality of bolt holes for mounting said cowling to said mounting plate.

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12. The wind powered charging system for batteries in a water vehicle according to claim 1, further comprising a screen covering the front input port of said cowling to protect said fan blade.

- 13. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said cowling is made from a material selected from the group consisting of fiberglass and extruded plastic.
- 14. The wind powered charging system for batteries in a water vehicle according to claim 1, wherein said alternator is a 74 amp one wire, self energizing alternator that is adapted to charge three or less batteries at one time.